

FORM PTO-1449 (REV.7-80)	<b>OIPE</b> <b>FEB 13 2001</b> <b>PATENT &amp; TRADEMARK OFFICE</b>	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 660081.411	APPLICATION NO. 09/444,281
INFORMATIONAL CLOSURE STATEMENT (Use several sheets if necessary)			APPLICANTS Jan Burian and Daniel Bartfeld	
			FILING DATE November 19, 1999	GROUP ART UNIT 1653

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HS	AA	5,593,866	1/14/97	Hancock et al.	435	69.7	
HS	AB	5,589,364	12/31/96	Williams et al.	435	69.7	
HS	AC	5,206,154	4/27/93	Lai et al.	435	69.7	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
HS	AD	WO 98/54336	12/3/98	WIPO		
HS	AE	WO 95/09239	4/6/95	WIPO		
HS	AF	WO 96/04373	2/15/96	WIPO		

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

HS	AG	Broekaert et al., "Plant Defensins: Novel Antimicrobial Peptides as Components of the Host Defense System," <i>Plant Physiology</i> 108(4): 1353-1358, August 1995
HS	AH	Ganz et al., "Defensins," <i>Pharmacology &amp; Therapeutics</i> 66(2): 191-205, 1995
HS	AI	Martin et al., "Defensins and other endogenous peptide antibiotics of vertebrates," <i>Journal of Leukocyte Biology</i> 58(2): 128-136, August 1995
HS	AJ	Hancock et al., "Cationic peptides: a new source of antibiotics," <i>Trends in Biotechnology</i> 16: 82-88, February 1998
HS	AK	Gough et al., "Antiendotoxin Activity of Cationic Peptide Antimicrobial Agents," <i>Infection and Immunity</i> 64(11): 4922-4927, November 1996
HS	AL	Steinberg et al., "Protegrin-1: a Broad-Spectrum, Rapidly Microbicidal Peptide with In Vivo Activity," <i>Antimicrobial Agents &amp; Chemotherapy</i> 41(7): 1738-1742, July 1997
HS	AM	Ahmad et al., "Liposomal entrapment of the neutrophil-derived peptide indolicidin endows it with in vivo antifungal activity," <i>Biochimica et Biophysica Acta</i> 1237(1): 109-114, July 6, 1995
HS	AN	Piers et al., "Recombinant DNA procedures for producing small antimicrobial cationic peptides in bacteria," <i>Gene</i> 134: 7-13, 1993

EXAMINER

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\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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HS	BA	Reichhart et al., "Expression and secretion in yeast of active insect defensin, an inducible antibacterial peptide from the fleshfly <i>Phormia terranova</i> ," <i>Invertebrate Reproduction &amp; Development</i> 21(1): 15-24, February 1992
HS	BB	Hellers et al., "Expression and post-translational processing of preprocecropin A using a baculovirus vector," <i>European Journal of Biochemistry</i> 199(2): 435-439, July 1991
HS	BC	Sharma et al., "High-efficiency synthesis of human $\alpha$ -endorphin and magainin in the erythrocytes of transgenic mice: A production system for therapeutic peptides," <i>Proceedings of the National Academy of Sciences of the USA</i> 91: 9337-9341, September 1994
HS	BD	Callaway et al., "Modification of the C Terminus of Cecropin Is Essential for Broad-Spectrum Antimicrobial Activity," <i>Antimicrobial Agents &amp; Chemotherapy</i> 37(8): 1614-1619, August 1993
HS	BE	Hara et al., "Production in <i>Escherichia coli</i> of Moricin, a Novel Type Antibacterial Peptide from the Silkworm, <i>Bombyx mori</i> ," <i>Biochemical And Biophysical Research Communications</i> 220(3): 664-669, March 27, 1996
HS	BF	Casteels-Josson et al., "Apidaecin multi-peptide precursor structure: a putative mechanism for amplification of the insect antibacterial response," <i>The EMBO Journal</i> 12(4): 1569-4578 April 1993
HS	BG	Lee et al., "Acidic Peptide-Mediated Expression of the Antimicrobial Peptide Buforin II as Tandem Repeats in <i>Escherichia coli</i> ," <i>Protein Expression and Purification</i> 12(1): 53-60, February 1998
HS	BH	Shen, "Multiple joined genes prevent product degradation in <i>Escherichia coli</i> ," <i>Proceedings of the National Academy of Sciences of the USA</i> 81(15): 4627-4631, August 1984

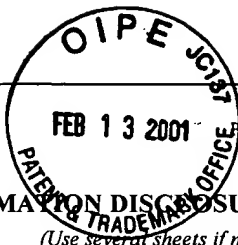
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7-24-01

DATE CONSIDERED

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## APPLICANTS

Jan Burian and Daniel Bartfeld

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## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

JS	CA	Lennick et al., "High-level expression of $\alpha$ -human atrial natriuretic peptide from multiple joined genes in <i>Escherichia coli</i> ," <i>Gene</i> 61(1): 103-112, 1987
KS	CB	Kempe et al., "Multiple-copy genes: production and modification of monomeric peptides from large multimeric fusion proteins," <i>Gene</i> 39(2 and 3): 239-245, 1985
EXAMINER: <i>John Burian</i>		DATE CONSIDERED 7-19-01

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<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b> <i>(Use several sheets if necessary)</i>		APPLICANTS <b>Jan Burian and Daniel Bartfeld</b>	
		FILING DATE <b>November 19, 1999</b>	GROUP ART UNIT <b>1653</b>

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				YES	NO
<b>XB</b>	AK	WO 96/28559	9/19/96	WIPO	
	AL				
	AM				
	AN				
	AO				

## OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

<b>XB</b>	AP	Zhang et al., "Determinants of Recombinant Production of Antimicrobial Cationic Peptides and Creation of Peptide Variants in Bacteria," <i>Biochemical and Biophysical Research Communications</i> 247: 674-680, 1998.
	AQ	
	AR	

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